Francisco Ardini

List of Publications by Year
in descending order

39 papers	701 citations	471509 17 h-index	580821 25 g-index
39 all docs	39 docs citations	39 times ranked	903 citing authors

#	Article	IF	Citations
1	Comparison of inductively coupled plasma spectrometry techniques for the direct determination of rare earth elements in digests from geological samples. Analytica Chimica Acta, 2010, 678, 18-25.	5.4	56
2	Determination of sub-nanomolar levels of iron in sea-water using reaction cell inductively coupled plasma mass spectrometry after Mg(OH)2 coprecipitation. Journal of Analytical Atomic Spectrometry, 2009, 24, 522.	3.0	54
3	Arsenic speciation analysis of environmental samples. Journal of Analytical Atomic Spectrometry, 2020, 35, 215-237.	3.0	43
4	Anthropogenic and natural sources of particulate trace elements in the coastal marine environment of Kongsfjorden, Svalbard. Marine Chemistry, 2014, 163, 28-35.	2.3	37
5	Conversion of rare earth elements to molecular oxide ions in a dynamic reaction cell and consequences on their determination by inductively coupled plasma mass spectrometry. Journal of Analytical Atomic Spectrometry, 2010, 25, 1588.	3.0	31
6	Source assessment of atmospheric lead measured at Ny-Ã…lesund, Svalbard. Atmospheric Environment, 2015, 113, 20-26.	4.1	29
7	Determination of ultratrace levels of dissolved metals in seawater by reaction cell inductively coupled plasma mass spectrometry after ammonia induced magnesium hydroxide coprecipitation. Analytica Chimica Acta, 2011, 706, 84-88.	5.4	28
8	Major and trace element partitioning between dissolved and particulate phases in Antarctic surface snow. Journal of Environmental Monitoring, 2011, 13, 2511.	2.1	27
9	Mesoscale variability related to iron speciation in a coastal Ross Sea area (Antarctica) during summer 2014. Chemistry and Ecology, 2019, 35, 1-19.	1.6	27
10	Total introduction of microsamples in inductively coupled plasma mass spectrometry by high-temperature evaporation chamber with a sheathing gas stream. Analytica Chimica Acta, 2013, 767, 14-20.	5.4	25
11	Experimental Design Step by Step: A Practical Guide for Beginners. Critical Reviews in Analytical Chemistry, 2022, 52, 1015-1028.	3.5	25
12	Improving the analytical performances of ICP-AES by using a high-temperature single-pass spray chamber and segmented-injections micro-sample introduction for the analysis of environmental samples. Journal of Analytical Atomic Spectrometry, 2012, 27, 1400.	3.0	22
13	Inter-laboratory study for the certification of trace elements in seawater certified reference materials NASS-7 and CASS-6. Analytical and Bioanalytical Chemistry, 2018, 410, 4469-4479.	3.7	20
14	Spatial-Related Community Structure and Dynamics in Phytoplankton of the Ross Sea, Antarctica. Frontiers in Marine Science, 2020, 7, .	2.5	20
15	High temperature liquid chromatographyâ€“inductively coupled plasma mass spectrometry for the determination of arsenosugars in biological samples. Journal of Chromatography A, 2012, 1262, 70-76.	3.7	19
16	Year-round record of dissolved and particulate metals in surface snow at Dome Concordia (East) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 1	8.2	18
17	Determination of selenium urinary metabolites by high temperature liquid chromatography-inductively coupled plasma mass spectrometry. Journal of Chromatography A, 2015, 1380, 112-119.	3.7	17
18	Multivariate optimization of headspace solid-phase microextraction followed by gas chromatographyâ€“mass spectrometry for the determination of methylpyrazines in cocoa liquors. Microchemical Journal, 2015, 121, 172-177.	4.5	17

#	Article	IF	Citations
19	Influence of organic complexation on dissolved iron distribution in East Antarctic pack ice. Marine Chemistry, 2018, 203, 28-37.	2.3	17
20	Influence of chemical species on the determination of arsenic using inductively coupled plasma mass spectrometry at a low liquid flow rate. Journal of Analytical Atomic Spectrometry, 2013, 28, 1718.	3.0	16
21	Trace elements in surface sediments from Kongsfjorden, Svalbard: occurrence, sources and bioavailability. International Journal of Environmental Analytical Chemistry, 2017, 97, 401-418.	3.3	15
22	Elemental and lead isotopic composition of atmospheric particulate measured in the Arctic region (Ny-Ã...lesund, Svalbard Islands). Rendiconti Lincei, 2016, 27, 73-84.	2.2	14
23	Trace elements in marine particulate and surface sediments of Kongsfjorden, Svalbard Islands. Rendiconti Lincei, 2016, 27, 183-190.	2.2	14
24	Effects of the Atlantic water and glacial run-off on the spatial distribution of particulate trace elements in the Kongsfjorden. Marine Chemistry, 2017, 191, 16-23.	2.3	14
25	Fast Determination of Toxic Arsenic Species in Food Samples Using Narrow-bore High-Performance Liquid-Chromatography Inductively Coupled Plasma Mass Spectrometry. Analytical Sciences, 2016, 32, 911-915.	1.6	13
26	Ionomic profiling of Nicotiana langsdorffii wild-type and mutant genotypes exposed to abiotic stresses. Analytical and Bioanalytical Chemistry, 2013, 405, 665-677.	3.7	11
27	Determination of trace elements in undiluted wine samples using an automatized total sample consumption system coupled to ICP-MS. Journal of Analytical Atomic Spectrometry, 2019, 34, 674-682.	3.0	10
28	Prospect on Rare Earth Elements and Metals Fingerprint for the Geographical Discrimination of Commercial Spanish Wines. Molecules, 2020, 25, 5602.	3.8	9
29	Lead isotopic ratios in the Arctic environment. Environmental Chemistry, 2020, 17, 213.	1.5	8
30	Potential Source Areas for Atmospheric Lead Reaching Ny-Ã...lesund from 2010 to 2018. Atmosphere, 2021, 12, 388.	2.3	8
31	Multivariate optimization of a headspace solidâ€phase microextraction method followed by gas chromatography with mass spectrometry for the determination of terpenes in Nicotiana langsdorffii. Journal of Separation Science, 2014, 37, 1570-1577.	2.5	6
32	Isotopic analysis of snow from Dome C indicates changes in the source of atmospheric lead over the last fifty years in East Antarctica. Chemosphere, 2020, 255, 126858.	8.2	6
33	Optimization of a sequential extraction procedure for trace elements in Arctic PM10. Analytical and Bioanalytical Chemistry, 2020, 412, 7429-7440.	3.7	5
34	Potential Sources of Particulate Iron in Surface and Deep Waters of the Terra Nova Bay (Ross Sea,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	2.7	5
35	Determination of major elements in Antarctic snow by inductively coupled plasma optical emission spectrometry using a total-consumption sample introduction system. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2021, 181, 106231.	2.9	4
36	Effect of heat stress on the ionomic profile ofNicotiana langsdorffiiwild-type and mutant genotypes. International Journal of Environmental Analytical Chemistry, 2016, 96, 460-473.	3.3	3

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37	Lead isotopic analysis of Antarctic snow by quadrupole ICP-MS using a total-consumption sample introduction system. Journal of Analytical Atomic Spectrometry, 2018, 33, 2124-2132.	3.0	3
38	Effect of salinity and temperature on the determination of dissolved iron-binding organic ligands in the polar marine environment. Marine Chemistry, 2021, , 104051.	2.3	3
39	Chemical Fractionation of Trace Elements in Arctic PM10 Samples. Atmosphere, 2021, 12, 1152.	2.3	2